

Title (en)
Sound absorbing element

Title (de)
Schallabsorber-Element

Title (fr)
Élément absorbant du son

Publication
EP 0732684 A2 19960918 (DE)

Application
EP 96102425 A 19960217

Priority
CH 75395 A 19950316

Abstract (en)
The metal foil (4,7) comprises refined steel, the sound-damping layer (2) can be covered on both sides with it, loosely or completely adhered. Where it is adhered, the metal foil is attached at distributed, local adhesion points (10). Air-filled hollow spaces (9) are available between the sound-damping layer and the metal foil and between the adhesion points. The local adhesion points are located on protrusion-type raised formations, which are laterally open surface structures of the sound-damping layer. The metal foils are so joined to one another on the edge sides that the sound-damping layer is outwardly tightly enclosed. The sound-damping layer is made preferably from polyurethane foam.

Abstract (de)
Bei einem Schallabsorber-Element (1) mit einer flächigen schalldämpfenden Schicht (2) aus einem porösen, schallabsorbierenden Material, welche Schicht (2) zumindest auf einer Seite vollständig von einer Metallfolie (4, 7) bedeckt ist, wird eine Reinigung mit beliebigen Reinigungsverfahren dadurch ermöglicht, dass die Metallfolie (4, 7) aus einem Edelstahl besteht. Besonders günstig sind die dämpfenden Eigenschaften, wenn die Metallfolien (4, 7) und die schalldämpfende Schicht (2) miteinander an lokalisierten, einzelnen Klebestellen (10) teilverklebt sind, und insbesondere die schalldämpfende Schicht (2) dazu eine Oberflächenstruktur in Form von seitlich offenen stegförmigen und/oder protrusionsartigen Erhebungen besitzt. <IMAGE>

IPC 1-7
G10K 11/168

IPC 8 full level
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CPC (source: EP US)
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